



Water-Data Report NV-2005

10353750 MAHOGANY CREEK NEAR SUMMIT LAKE, NV

BLACK ROCK DESERT, LOWER QUINN RIVER BASIN

LOCATION.--Lat 41°32'35.04", long 119°00'24.29" referenced to North American Datum of 1983, in SE ¼ NE ¼ sec.21, T.42 N., R.26 E., Humboldt County, Hydrologic Unit 16040202, on right bank, 2.8 mi northeast of Summit Lake, and 78 mi north of Gerlach.

DRAINAGE AREA.--13.3 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--Jul 1987 to current year.

GAGE.--Water-stage recorder. Elevation of gage is 6,080 ft above National Geodetic Vertical Datum of 1929, from topographic map.

REMARKS.--Records good except for estimated daily discharges, which are poor.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 50 ft³/s, Jun 5, 1995, gage height, 5.34 ft; maximum gage height, 5.56 ft, Jun 17, 1998, backwater effect from tree; minimum daily , 0.32 ft³/s, Aug 1, 1992.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 39 ft³/s, May 18, gage height, 5.38 ft; minimum daily discharge, 1.3 ft³/s, on several days.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	1.3	1.6	1.6	1.5	1.5	1.5	2.1	5.3	24	7.9	3.4	1.9
2	1.3	1.8	1.6	1.5	1.5	1.5	2.2	5.8	23	7.6	3.4	1.8
3	1.3	1.9	1.5	1.5	1.5	1.5	2.2	6.1	22	7.4	3.2	1.8
4	1.3	1.7	1.5	1.5	1.5	1.6	2.2	6.6	20	7.3	3.1	1.8
5	1.3	1.8	1.5	1.5	1.5	1.6	2.2	10	19	7.0	3.0	1.9
6	1.3	1.8	1.5	1.5	1.5	1.7	2.7	21	18	6.8	2.9	1.8
7	1.3	1.9	1.6	1.5	1.5	1.8	2.9	29	18	6.6	2.9	1.8
8	1.3	1.9	1.7	e1.5	e1.5	1.9	2.7	26	17	6.3	2.9	1.8
9	1.3	2.0	1.9	e1.5	e1.5	2.1	2.7	27	16	6.6	2.8	1.9
10	1.3	1.9	1.8	1.5	1.4	2.2	2.6	25	14	6.4	2.7	2.0
11	1.3	2.1	1.7	1.6	1.5	2.2	2.7	25	14	6.1	2.6	2.1
12	1.3	2.0	1.8	e1.5	1.4	2.3	2.7	22	13	6.0	2.5	2.1
13	1.3	1.9	1.7	1.5	1.5	2.1	2.7	20	12	5.8	2.6	2.1
14	1.3	1.8	1.6	1.5	1.5	2.0	2.6	20	12	5.6	2.5	2.0
15	1.3	1.7	1.4	1.5	1.4	2.0	2.8	22	11	5.3	2.5	2.0
16	1.3	1.7	1.3	1.6	1.4	1.9	3.2	30	12	5.0	2.4	2.0
17	1.4	1.7	1.5	1.5	1.5	1.8	3.8	31	12	4.9	2.3	2.1
18	1.5	1.7	1.5	1.5	1.5	1.9	3.7	35	12	4.8	2.3	2.1
19	1.6	1.6	1.5	1.5	1.5	2.0	3.6	35	11	4.7	2.2	2.0
20	1.7	1.3	1.5	1.5	1.5	1.9	3.5	34	10	4.5	2.2	1.9
21	1.6	1.5	1.3	1.5	1.5	1.9	3.3	30	9.9	4.4	2.1	1.9
22	1.7	1.6	1.5	1.5	1.5	2.0	3.4	30	9.4	4.3	2.0	1.9
23	2.3	1.7	1.5	1.5	1.5	2.0	3.9	32	9.3	4.3	2.0	2.0
24	1.8	1.6	1.5	1.5	1.5	2.0	3.6	31	9.0	4.2	2.0	2.1
25	1.7	1.8	1.5	1.5	1.5	1.9	3.7	30	9.2	4.1	2.0	2.1
26	1.8	1.7	1.5	1.6	1.5	1.9	3.7	29	9.2	3.9	1.9	2.1
27	1.8	1.7	1.5	1.6	1.5	2.4	4.2	27	9.0	3.8	1.9	2.2
28	1.8	e1.6	1.5	1.5	1.5	2.4	6.6	28	8.8	3.7	1.9	2.1
29	1.8	e1.6	1.5	1.5	---	2.2	5.3	28	8.6	3.7	1.8	2.0
30	1.8	e1.6	1.6	1.5	---	2.0	5.3	26	8.1	3.7	2.0	2.0
31	1.7	---	1.6	1.5	---	2.1	---	25	---	3.5	2.0	---
Total	46.8	52.2	48.2	46.9	41.6	60.3	98.8	751.8	400.5	166.2	76.0	59.3
Mean	1.51	1.74	1.55	1.51	1.49	1.95	3.29	24.3	13.3	5.36	2.45	1.98
Max	2.3	2.1	1.9	1.6	1.5	2.4	6.6	35	24	7.9	3.4	2.2
Min	1.3	1.3	1.3	1.5	1.4	1.5	2.1	5.3	8.1	3.5	1.8	1.8
Ac-ft	93	104	96	93	83	120	196	1,490	794	330	151	118

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	1.75	1.79	1.67	1.73	1.82	2.51	3.78	9.11	8.32	3.62	1.79	1.57
Max	3.90	3.87	3.57	3.55	3.25	3.96	6.90	27.9	29.2	13.7	5.41	4.33
(WY)	(1999)	(1999)	(1999)	(1997)	(1999)	(1999)	(1996)	(1998)	(1998)	(1998)	(1998)	(1998)
Min	0.83	0.90	0.90	1.04	1.28	1.42	1.85	1.36	0.82	0.55	0.39	0.46
(WY)	(1993)	(1993)	(1995)	(1993)	(1989)	(1991)	(2003)	(1992)	(1992)	(1992)	(1992)	(1992)

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	Calendar Year 2004		Water Year 2005		Water Years 1987 - 2005	
Annual total	770.24		1,848.6			
Annual mean	2.10		5.06		3.30	
Highest annual mean					8.41	1998
Lowest annual mean					1.21	1992
Highest daily mean	4.7	May 28	35	May 18	47	Jun 5, 1995
Lowest daily mean	0.94	Sep 11	1.3	Oct 1	0.32	Aug 1, 1992
Annual seven-day minimum	0.99	Sep 7	1.3	Oct 1	0.33	Jul 31, 1992
Maximum peak flow			39	May 18	50	Jun 5, 1995
Maximum peak stage			5.46	May 19	5.56	Jun 17, 1998
Annual runoff (ac-ft)	1,530		3,670		2,390	
10 percent exceeds	3.7		14		5.9	
50 percent exceeds	1.6		2.0		1.9	
90 percent exceeds	1.2		1.5		0.99	